RELEASE NOTES 2.3.4

SOFTWARE IDENTIFICATION

MatrixALM 2.3.7 and MatrixQMS 2.3.7
This is a an update for version 2.3.3
The main changes are:
- performance improvements for very large project
- simplification of release numbers to x.y.z (major.minor.patch)
- improved mrql searches
- bug fix of XTC creation in branches (to avoid duplication of XTC ids)

CHANGES OVERVIEW

Change_ID	Title	Description
FEAT-850	Performance Improvements	Various performance for large projects
FEAT-849	Change release number version	The version number shown in the bottom left was made more user friendly.
FEAT-855	Categories can be recreated	If someone deletes a category, the category can now be re-created.
FEAT-847	Test Execution Overview Dashboard to show configuration issues	The Test Execution Overview dashboard shows now the reason why it might not render (e.g. no XTC category exist, no tester field, no date field, no test_result field)
FEAT-848	LiveQMS fails gracefully when no publication exists	Now the LiveQMS page shows that there is nothing published yet.
FEAT-863	Password link expiry is now configurable	It is now possible to define the number of days a password link is valid.
FEAT-872	MRQL searches for display name	We can now search dropdowns and labels based on their displayed values
FEAT-854	Signature meanings not shown	The signature meaning was not shown if the same person signed a document twice in two different signature boxes.

Change_ID	Title	Description
FEAT-853	Issue with folder rendering in custom sections	It was not possible to render fields of folders in custom sections.
FEAT-852	Excel export of risks ignored risk control changes	When exporting risks in excel, the math was not updated when risk controls were deleted.
FEAT-851	Custom section did not print external links	Custom section did not show external links
FEAT-858	SyncUtils double escape html characters	When using SyncUtils to sync external items, special HTML characters such as > in the title would be displayed as > in the sync target.
FEAT-859	Labels were not published in QMS	It was not possible to show Labels in LiveQMS
FEAT-860	TEO dashboard, dialog could not be closed	In TEO dashboard, using 'OK' button to close 'Items not covered by selected XTCs' dialog did not work.
FEAT-862	Passwords with & did not work for Gates	Passwords with & did not work for approving gates
FEAT-865	Fix image rescaling logic	Sometimes images did not scale nicely when printing.
FEAT-867	Deleted users not showing in XTCs and other places	Some functions in Matrix are built around showing a particular user as a tester, or an approver for a gate. When viewing and item the selected user shall be visible even after it was deleted. It shall be marked as deleted.
FEAT-869	Down and uplinks in DOC not filtered by filters	When showing lists of items with up and downlinks as document sections, document creation filters were not applied to the links.
FEAT-870	< in text caused Excel export to truncate text	When exporting content to Excel via the Custom Print sections, < characters were not escaped correctly. This caused the Excel export to only contain text up to the < character.
FEAT-873	Smart text resolution incorrect in custom sections	When using smart text (like abbreviations or terms) in rich text columns, they did not get resolved correctly when creating custom documents.

Change_ID	Title	Description
FEAT-874	Logic regarding refresh and task in TEO has been improved	When showing external links in the testing dashboards, refreshing the view duplicated the shown external links.
FEAT-875	XTCs are overlapping in branches	When XTC are generated they don't use the rules for branches: they will be generated with the same IDs in all branches

CHANGE DETAILS

F-FEAT-121 Improvements

FEAT-850 Performance Improvements
✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**
Various performance for large projects
- Faster searches: some searches are up to 10x faster (e.g. if they don't need the folder hierarchy)   - If showing search results in a list, only the first 200 are shown initially. To see more the user needs to click on "show xxx remaining" at the end of the list   - Rendering the application is faster: it first renders the item, than a sparse tree and only afterwards it loads and renders the whole tree in the background. When the tree is required (for item selection for instance), there is a spinning wait.   - Pinging the server is faster   - Rendering lot's of notification in the tree is faster   - DOC items with mrql queries, run the queries sequentially and a progress indicator shows the progress   - Training dashboard is faster

FEAT-849 Change release number version
✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**
The version number shown in the bottom left was made more user friendly.
The version number shown to user now contains 3 numbers: Major Release, minor release and patch level.

FEAT-855 Categories can be recreated

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

If someone deletes a category, the category can now be re-created.

To be able to recreate a category the category delete operation will rename the category, so that the id is available.

FEAT-847 Test Execution Overview Dashboard to show configuration issues

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

The Test Execution Overview dashboard shows now the reason why it might not render (e.g. no XTC category exist, no tester field, no date field, no test_result field)

In some configurations the Test Execution Overview dashboard cannot not render meaningful results. In that case no error was shown.

FEAT-848 LiveQMS fails gracefully when no publication exists

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

Now the LiveQMS page shows that there is nothing published yet.

When someone tried to access the published qms before anything was published an server error was shown.

FEAT-863 Password link expiry is now configurable

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

It is now possible to define the number of days a password link is valid.

There is now an option to specify the validity duration of token in case of password reset or user onboarding.

Default is now 3 days

FEAT-872 MRQL searches for display name

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

We can now search dropdowns and labels based on their displayed values

For dropdowns:
```
mrql:dropname=[value]   (to find a dropdown with only that value)
mrql:dropname~[value]   (to find a dropdown with that value and perhaps
others)
mrql:dropname!=[value]   (to find a dropdown with only one value which is
not that one)
mrql:dropname!~[value]   (to find a dropdown without that value)
```

the "dropdown" above is the name of the field, but the value is the visible label selectable by the user
If value has spaces, it needs to be enclosed in double quotes
```
mrql:dropname=["the value"]
```
For labels:
```
mrql:label=[value] (to find items with that label)
mrql:label!=[value] (to find items without that label)
```

value here is the displayed name of the label. We take the display name by decreasing priorities from:
- displayName
- reportName
- the label.on.displayName

F-FEAT-122 Bug Fixes

FEAT-854 Signature meanings not shown

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

The signature meaning was not shown if the same person signed a document twice in two different signature boxes.

Now the signature meaning is correctly shown for each signature.

FEAT-853 Issue with folder rendering in custom sections

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

It was not possible to render fields of folders in custom sections.

Now fields of folders can be shown in custom sections

FEAT-852 Excel export of risks ignored risk control changes

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

When exporting risks in excel, the math was not updated when risk controls were deleted.

Now there is warning if risk controls got deleted and the user can review and update the risks, before exporting them to excel.

FEAT-851 Custom section did not print external links

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

Custom section did not show external links

Now external links can be rendered.

FEAT-858 SyncUtils double escape html characters

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

When using SyncUtils to sync external items, special HTML characters such as > in the title would be displayed as > in the sync target.

Now entities are correctly escaped

FEAT-859 Labels were not published in QMS

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

It was not possible to show Labels in LiveQMS

Now labels can be published.

FEAT-860 TEO dashboard, dialog could not be closed

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

In TEO dashboard, using 'OK' button to close 'Items not covered by selected XTCs' dialog did not work.

The dialog can now be closed with the OK button

FEAT-862 Passwords with & did not work for Gates

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

Passwords with & did not work for approving gates

Now passwords with & can be used to approve gates

FEAT-865 Fix image rescaling logic
✔ CODE done ✔ IFU done ✔ FDR done ✔ DHF done

Sometimes images did not scale nicely when printing.

Before, the scaling of images was done based on the largest dimension. Now, it is based on the bigger ratio (of image size vs page size, vertically compared to horizontally).

FEAT-867 Deleted users not showing in XTCs and other places
✔ CODE done ✔ IFU done ✔ FDR done ✔ DHF done

Some functions in Matrix are built around showing a particular user as a tester, or an approver for a gate. When viewing and item the selected user shall be visible even after it was deleted. It shall be marked as deleted.

Deleted users show in XTC testers, gates and signatures with strike through to indicate they are deleted.

FEAT-869 Down and uplinks in DOC not filtered by filters
✔ CODE done ✔ IFU done ✔ FDR done ✔ DHF done

When showing lists of items with up and downlinks as document sections, document creation filters were not applied to the links.

Now the up and downlinks are also filtered

FEAT-870 < in text caused Excel export to truncate text
✔ CODE done ✔ IFU done ✔ FDR done ✔ DHF done

When exporting content to Excel via the Custom Print sections, < characters were not escaped correctly. This caused the Excel export to only contain text up to the < character.

Now the complete text is printed.

FEAT-873 Smart text resolution incorrect in custom sections

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

When using smart text (like abbreviations or terms) in rich text columns, they did not get resolved correctly when creating custom documents.

Now the information prints correctly.

FEAT-874 Logic regarding refresh and task in TEO has been improved

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

When showing external links in the testing dashboards, refreshing the view duplicated the shown external links.

The refresh button doesn't duplicate the task list anymore. Also the logic of the "Show task" checkbox has been improved.

FEAT-875 XTCs are overlapping in branches

✔ **CODE done** ✔ **IFU done** ✔ **FDR done** ✔ **DHF done**

When XTC are generated they don't use the rules for branches: they will be generated with the same IDs in all branches

The fix is using the check for branches to make sure the XTC Ids are generated uniquely across all branches of a project, the same way it is computed for all other created items
For XTC already generated in previous versions of 2.3 we have a utility that is able to move away the XTC Ids from the branches to a safe number

KNOWN ISSUES

not applicable

SIGNATURES

Signature Meaning	Name	Title	Date	Signature
Approved By	Wolfgang Huber	CTO		
Approved By	Yves Berquin	COO		